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## FIG 1

```
IF FPD_flag=TRUE
THEN IF end_of_frame(P_cell)
      THEN FPD_flag=FALSE
      discard_cell(P_cell)
ELSE IF PPD_flag=TRUE
      THEN IF end_of_frame(P_cell)
            THEN append_cell(P_cell)
            PPD_flag=FALSE
            ELSE discard_cell(P_cell)
      ELSE decide_cell(P_cell)
```

09673435-101800

FIG 2A

```

IF (CLP=0) //comment: unmarked frame
THEN IF (first cell of frame) // e.g. Current_frame_length=0
THEN IF (Logical_queue_length > S_PPD_0-MFS) OR
[(Logical_queue_length > S_EPD_0) AND
(Buffer_check_0=TRUE)]
THEN discard_cell(P_cell)
IF end_of_frame(P_cell)=FALSE
THEN FPD_flag=TRUE
ELSE append_cell(P_cell)

IF (subsequent cell of frame) //e.g. Current_frame_length > 0
THEN IF end_of_frame(P_cell)
THEN append_cell(P_cell)
ELSE IF (Logical_queue_length ≥ S_PPD_0-1) OR
[(Logical_queue_length > S_EPD_0) AND
(Buffer_check_0=TRUE)] OR
(Current_frame_length > MFS-1)
THEN discard_cell(P_cell)
IF remove_last_frame
THEN FPD_flag=TRUE
ELSE PPD_flag=TRUE
ELSE append_cell(P_cell)

```

```

IF (CLP=1)
THEN
  IF (first cell of frame)
    THEN IF (Logical_queue_length ≥ S_PPD_1) OR
      [(Logical_queue_length > S_EPD_1) AND
      (Buffer_check_1 = TRUE)]
    THEN discard_cell(P_cell)
      IF end_of_frame(P_cell) = FALSE
      THEN FPD_flag = TRUE
      ELSE append_cell(P_cell)

  IF (subsequent cell of frame) //e.g. Current_frame_length > 0
  THEN IF end_of_frame(P_cell)
    THEN append_cell(P_cell)
    ELSE IF (Logical_queue_length ≥ S_PPD_1-1) OR
      [(Logical_queue_length > S_EPD_1) AND
      (Buffer_check_1 = TRUE)] OR
      (Current_frame_length > MFS-1)
    THEN discard_cell(P_cell)
      IF remove_last_frame
      THEN FPD_flag = TRUE
      ELSE PPD_flag = TRUE
      ELSE append_cell(P_cell)

```